FIG. 1

FIG. 1A	FIG. 1B	FIG. 1C
FIG. 1D	FIG. 1E	FIG. 1F

FIG. 2

FIG. 2A	FIG. 2B
FIG. 2C	FIG. 2D

FIG. 6

FIG. 6A	FIG. 6B

FIG. 7

FIG. 7A	FIG. 7B
FIG. 7C	FIG. 7D

FIG. 9

FIG. 9A	FIG. 9B

Fig. 1 A

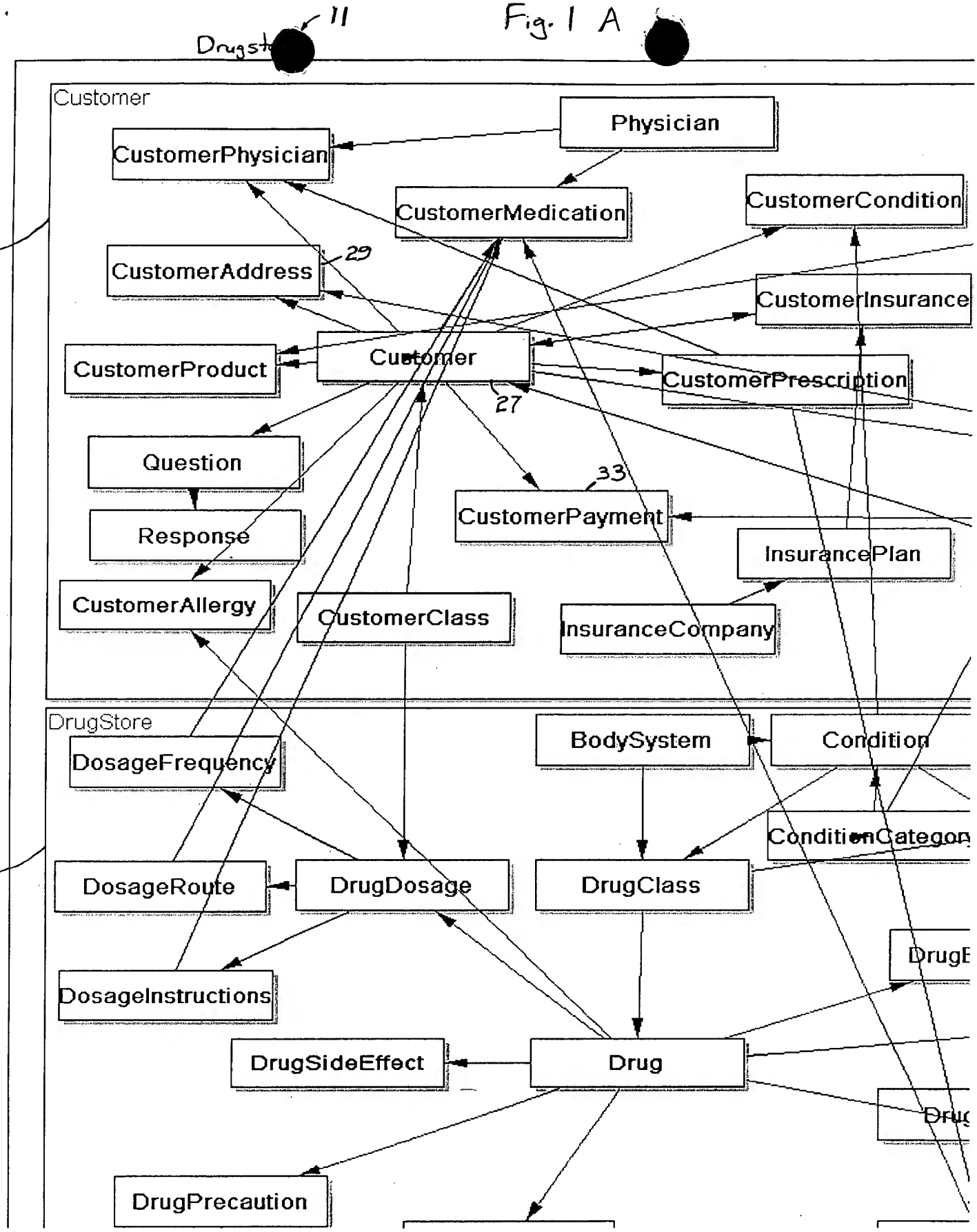

11
Drugst
Customer
Physician
CustomerPhysician
CustomerMedication
CustomerCondition
13
CustomerAddress
29
CustomerInsurance
CustomerProduct
Customer
CustomerPrescription
27
Question
33
CustomerPayment
Response
InsurancePlan
CustomerAllergy
CustomerClass
InsuranceCompany
DrugStore
BodySystem
Condition
DosageFrequency
ConditionCategon
15
DosageRoute
DrugDosage
DrugClass
DrugE
DosageInstructions
DrugSideEffect
Drug
Drug
DrugPrecaution

Fig. 1B

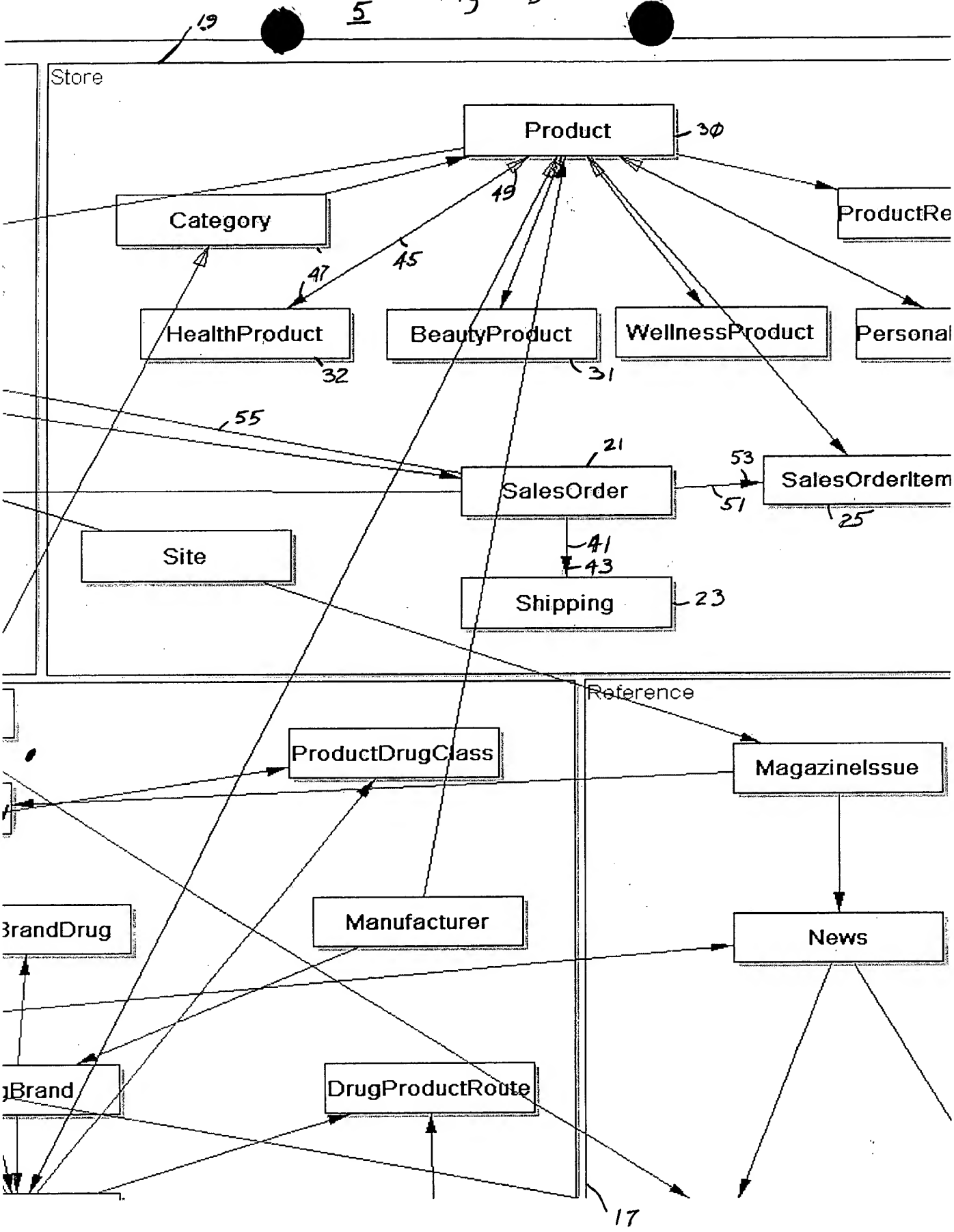

5
19
Store
Product
30
Category
49
45
47
ProductRe
HealthProduct
BeautyProduct
WellnessProduct
Personal
32
31
55
21
53
SalesOrder
SalesOrderItem
51
25
Site
41
43
Shipping
23
Reference
ProductDrugClass
MagazineIssue
BrandDrug
Manufacturer
News
DrugProductRoute
17

Fig. 1 C

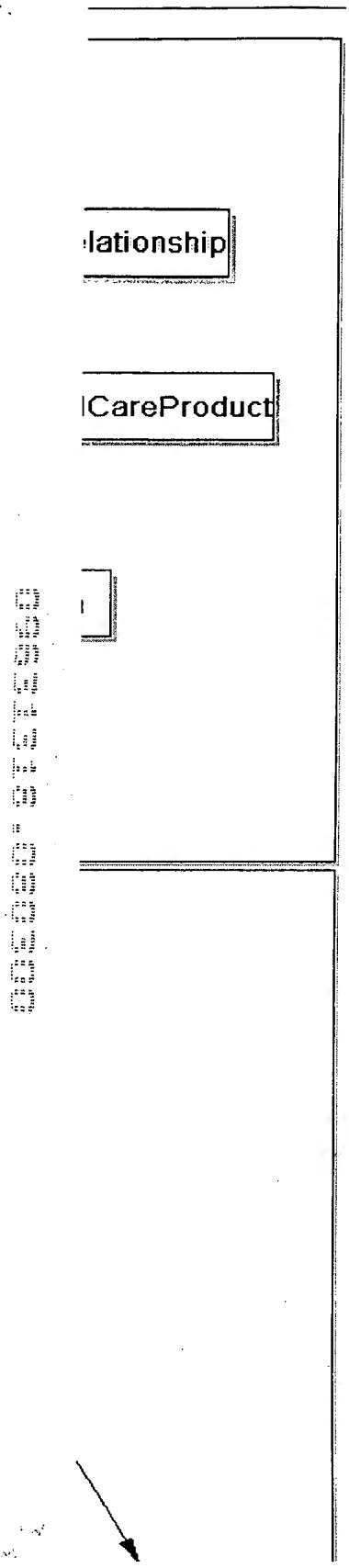


Fig. 1 D

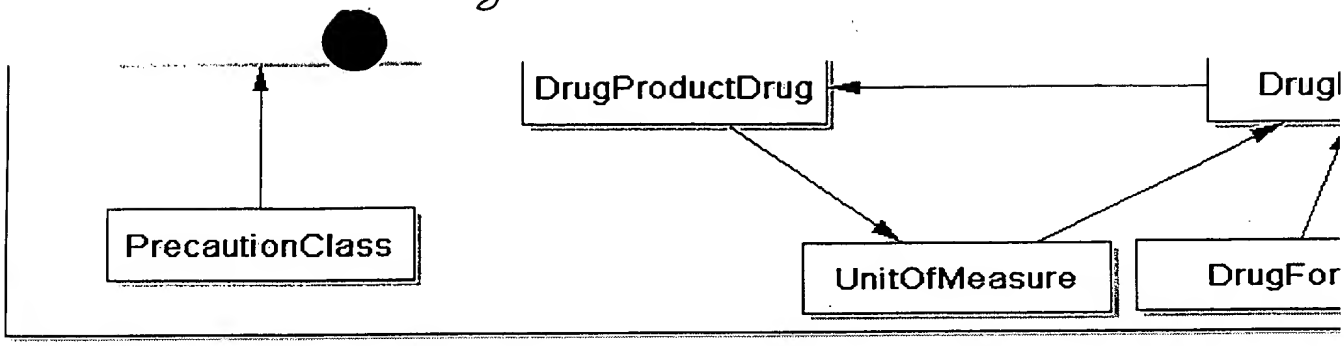

DrugProductDrug
Drugl
PrecautionClass
UnitOfMeasure
DrugFor

Fig 1 E

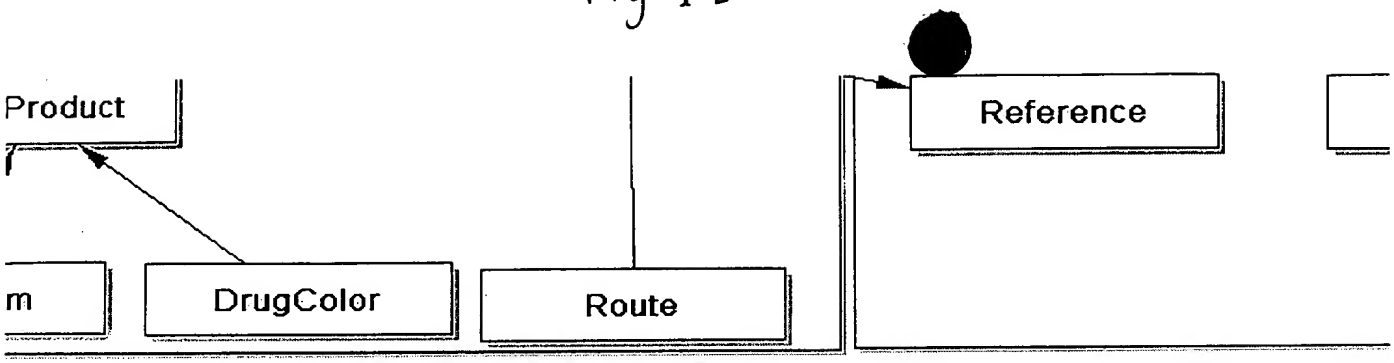


Fig. 1 F

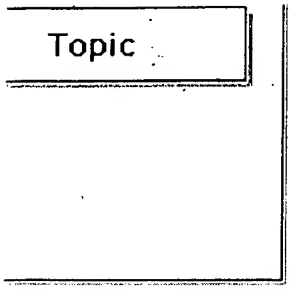


Fig. 2 A

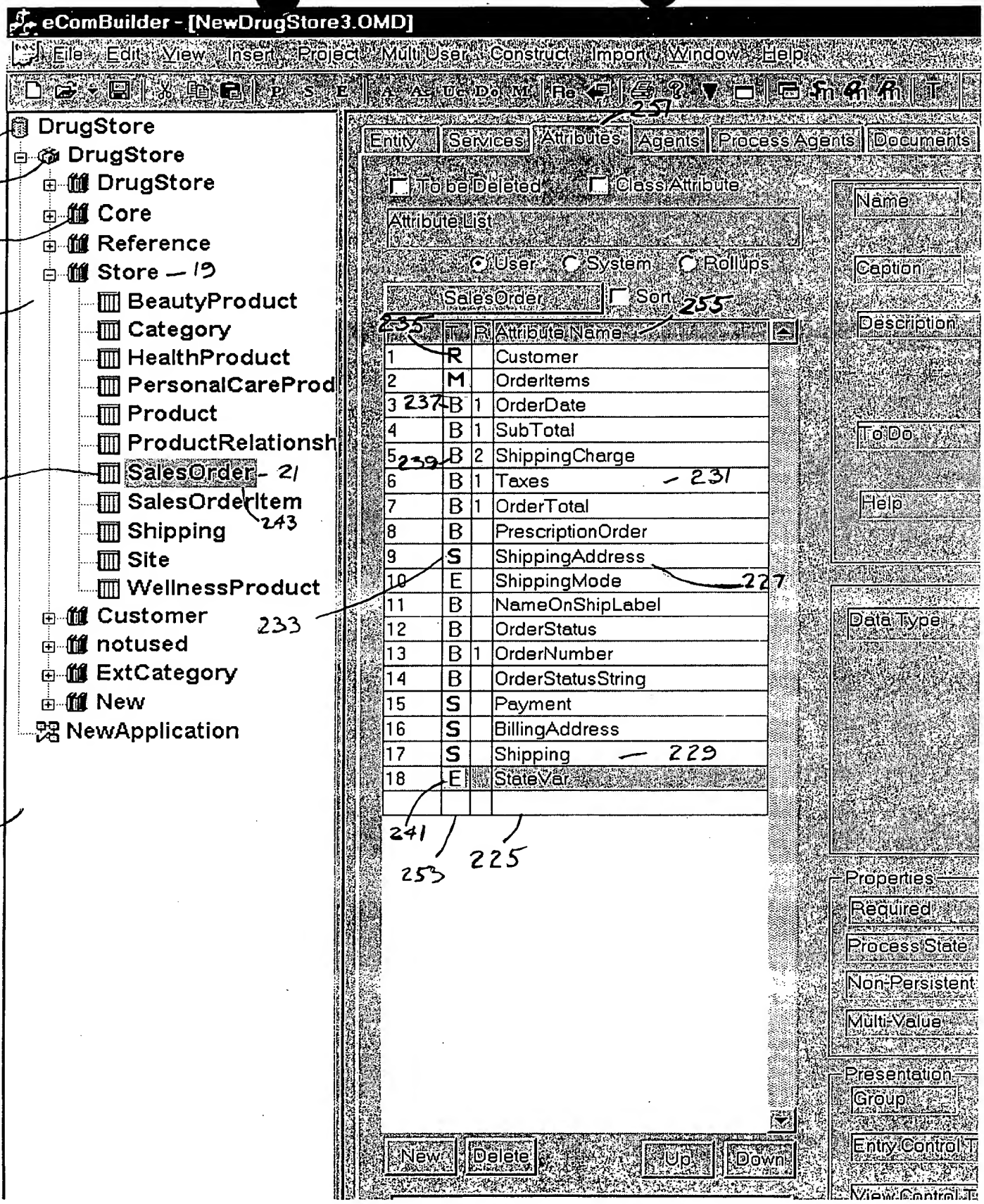

211
eComBuilder - [NewDrugStore3.OMD]
File Edit View Insert Project Multi User Construct Import Window Help
215
DrugStore
DrugStore
217
DrugStore
Core
219
Reference
Store
213
BeautyProduct
Category
HealthProduct
PersonalCareProd
Product
ProductRelationsh
221
SalesOrder
SalesOrderItem
Shipping
Site
WellnessProduct
Customer
notused
ExtCategory
New
NewApplication
210
Entity
Services
Attributes
Agents
Process Agents
Documents
257
To be Deleted
Class Attribute
Attribute List
User
System
Rollups
SalesOrder
Sort
255
235
T
R
Attribute Name
1 R Customer
2 M OrderItems
3 B 1 OrderDate
4 B 1 SubTotal
5 B 2 ShippingCharge
6 B 1 Taxes
7 B 1 OrderTotal
8 B PrescriptionOrder
9 S ShippingAddress
10 E ShippingMode
11 B NameOnShipLabel
12 B OrderStatus
13 B 1 OrderNumber
14 B OrderStatusString
15 S Payment
16 S BillingAddress
17 S Shipping
18 E StateVar
237
239
231
227
233
243
229
241
253
225
New
Delete
Up
Down
Name
Caption
Description
To Do
Help
Data Type
Properties
Required
Process State
Non-Persistent
Multi-Value
Presentation
Group
Entry Control T
View Control T

Fig. 2 B

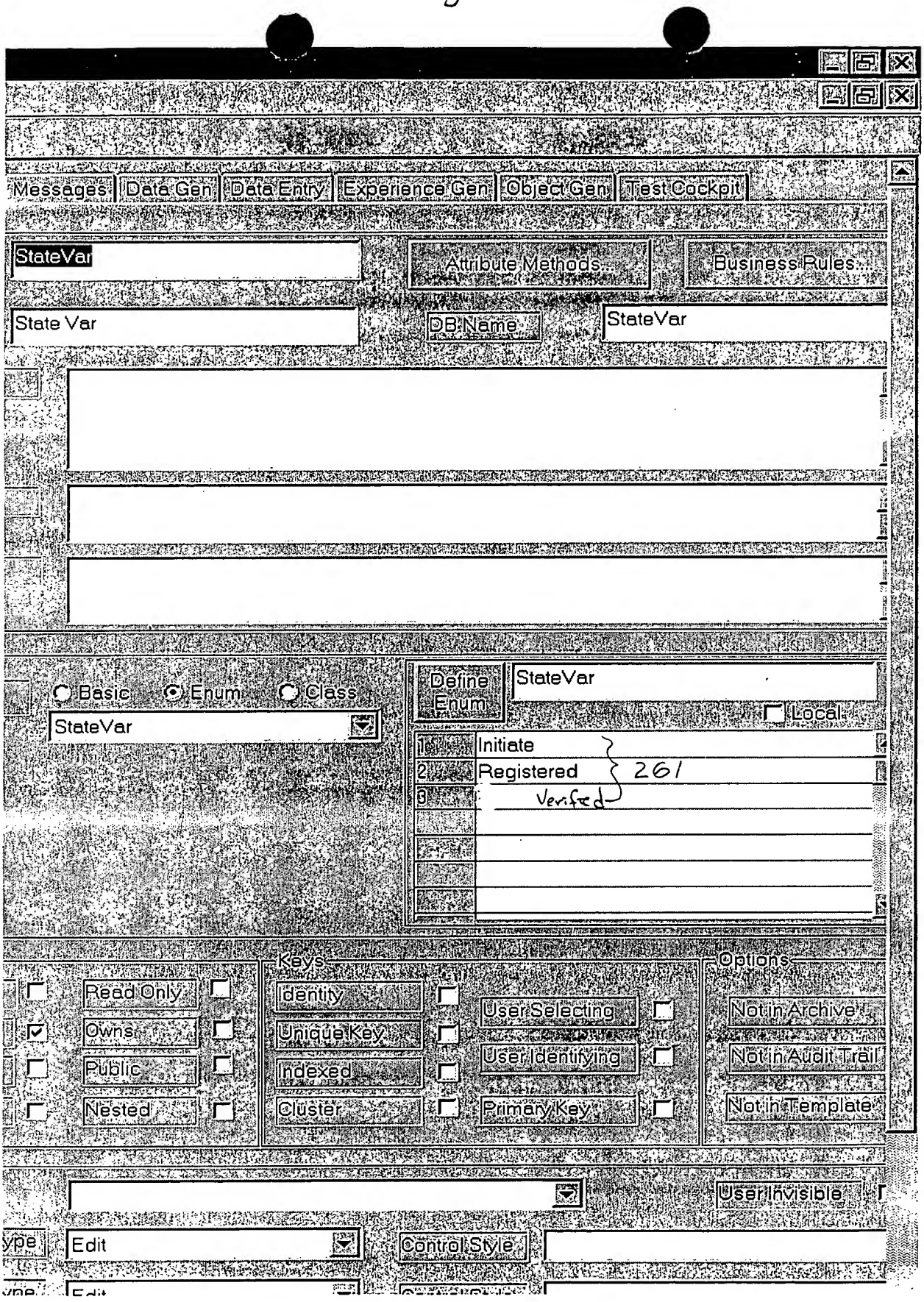

Messages
Data Gen
Data Entry
Experience Gen
Object Gen
Test Cockpit
StateVar
Attribute Methods...
Business Rules...
State Var
DB Name
StateVar
Basic
Enum
Class
StateVar
Define Enum
StateVar
Local
1 Initiate
2 Registered
3 Verified
261
Keys
Read Only
Owns
Public
Nested
Identity
Unique Key
Indexed
Cluster
User Selecting
User Identifying
Primary Key
Options
Not in Archive
Not in Audit Trail
Not in Template
User Invisible
Edit
Control Style

Fig 2C

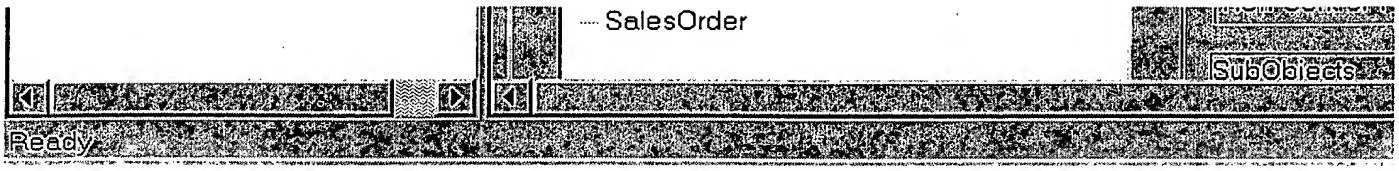
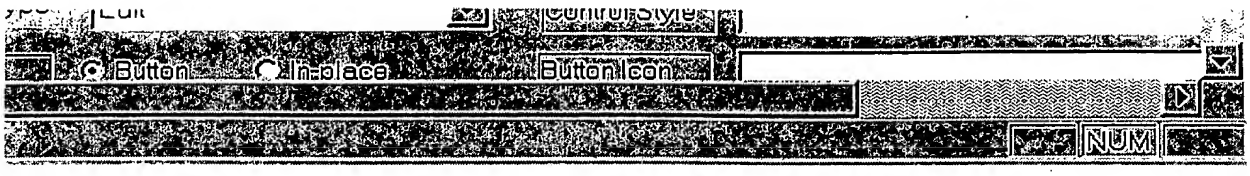


Fig. 2D



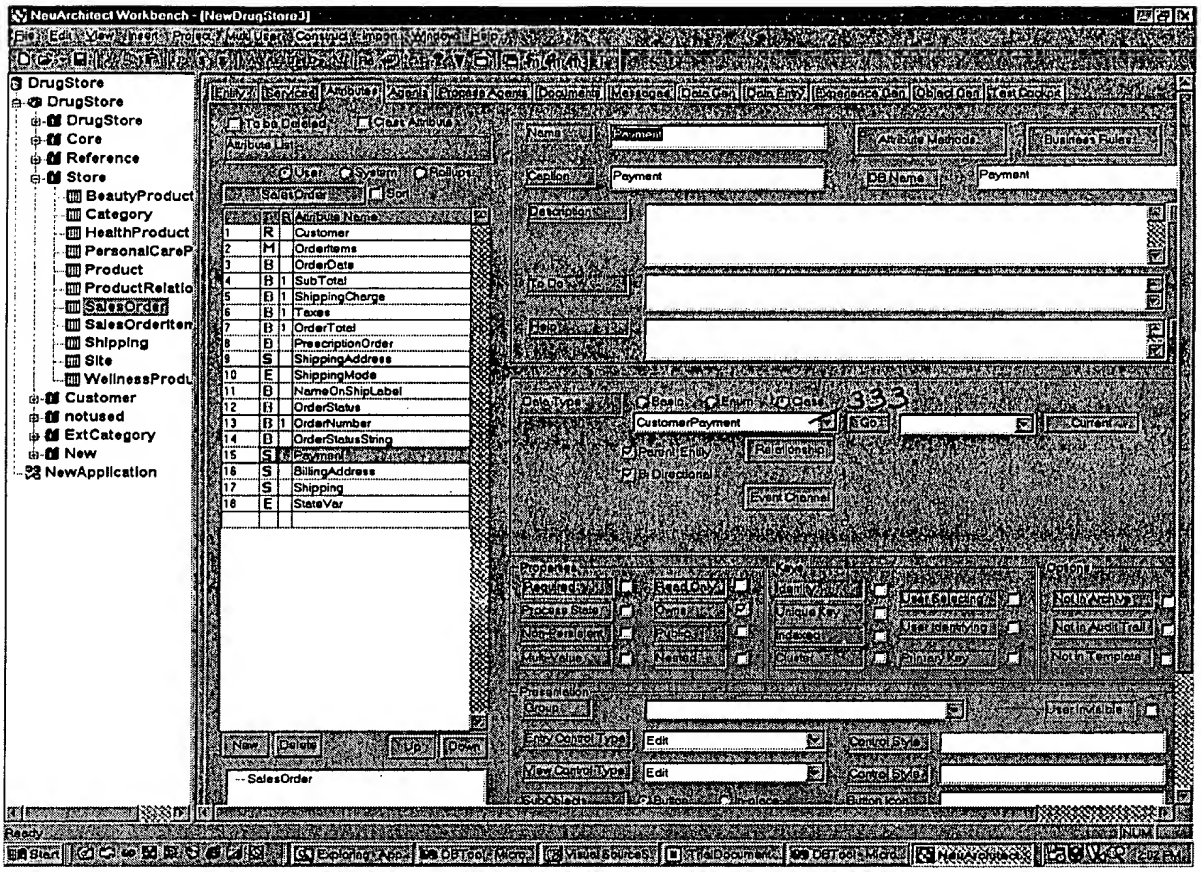

NeuArchitect Workbench - [NewDrugStore3]
DrugStore
DrugStore
DrugStore
Core
Reference
Store
BeautyProduct
Category
HealthProduct
PersonalCareP
Product
ProductRelatio
SalesOrder
SalesOrderIten
Shipping
Site
WellnessProdu
Customer
notused
ExtCategory
New
NewApplication
Entity
Services
Attributes
Agents
Process Agents
Documents
Messages
Data Gen
Data Entry
Experience Gen
Object Gen
Test Control
To be Deleted
Class Attribute
Attribute List
User
System
Rollup
Sort
SalesOrder
Attribute Name
1 R Customer
2 M OrderItems
3 B OrderDate
4 B 1 SubTotal
5 B 1 ShippingCharge
6 B 1 Taxes
7 B 1 OrderTotal
8 D PrescriptionOrder
9 S ShippingAddress
10 E ShippingMode
11 B NameOnShipLabel
12 B OrderStatus
13 B 1 OrderNumber
14 D OrderStatusString
15 S Payment
16 S BillingAddress
17 S Shipping
18 E StateVar
New
Delete
Up
Down
-- SalesOrder
Name
Payment
Attribute Methods
Business Rules
Caption
Payment
DB Name
Payment
Description
To Do
Help
Data Type
Basic
Enum
Class
CustomerPayment
Go To
Current Type
Parent Entity
Relationship
Bi Directional
Event Channel
Properties
Required
Read Only
Process State
Owned Node
Non-Persistent
Public
Auto Value
Nested
Keys
Identity
Unique Key
Indexed
Owned Key
User Selected
User Identifying
Primary Key
Content
Not In Archive
Not In Audit Trail
Not In Template
Presentation
Group
User Invisible
Entity Control Type
Edit
Control Style
View Control Type
Edit
Control Style
Ready
NUM
Start
Exploring - Arch
OBTools Micro
Visual Source
Test Document
OBTools Macro
NeuArchitect
2:02 PM

Fig 3

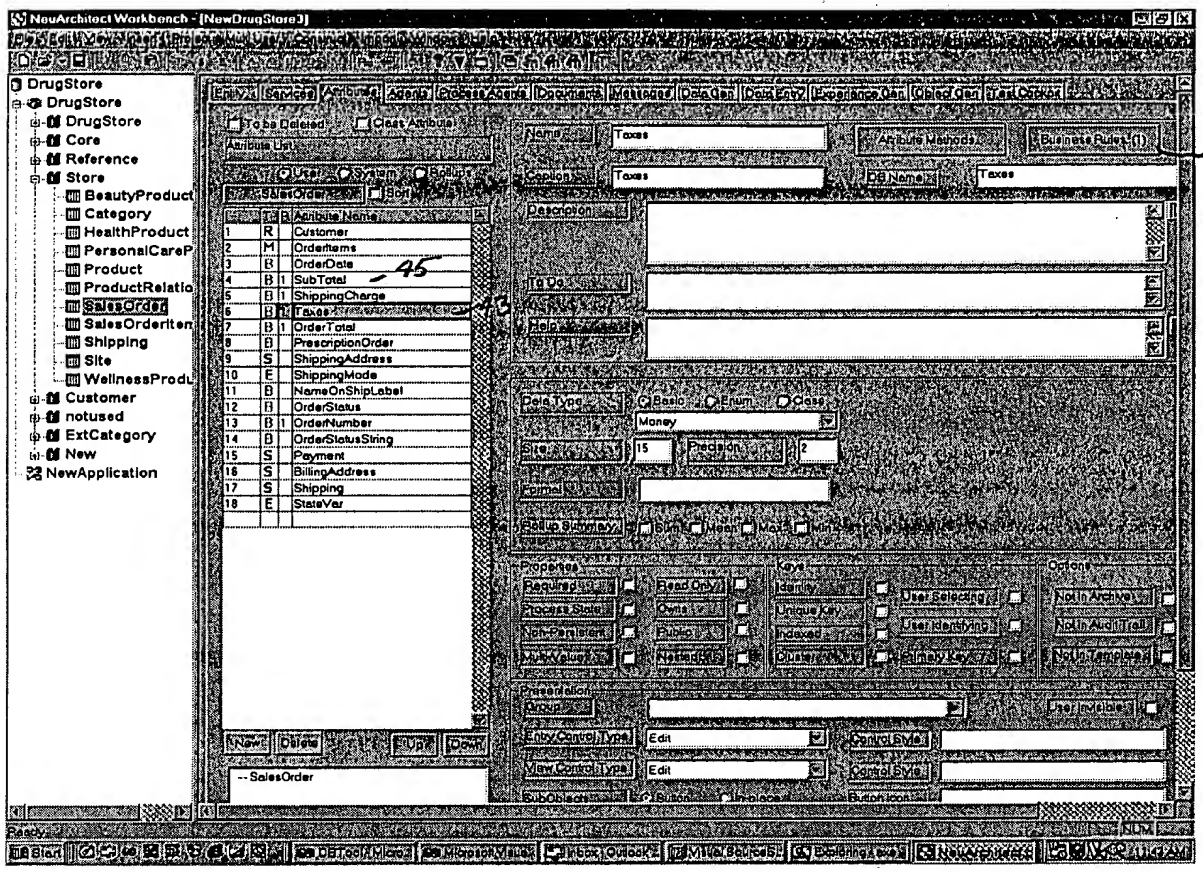

NewArchitect Workbench - [NewDrugStore3]
DrugStore
DrugStore
DrugStore
Core
Reference
Store
BeautyProduct
Category
HealthProduct
PersonalCareP
Product
ProductRelatio
SalesOrder
SalesOrderIten
Shipping
Site
WellnessProdu
Customer
notused
ExtCategory
New
NewApplication
Attribute Name
Customer
OrderItems
OrderDate
SubTotal
ShippingCharge
Taxes
OrderTotal
PrescriptionOrder
ShippingAddress
ShippingMode
NameOnShipLabel
OrderStatus
OrderNumber
OrderStatusString
Payment
BillingAddress
Shipping
StateVar
--SalesOrder
45
43
41

Fig. 4

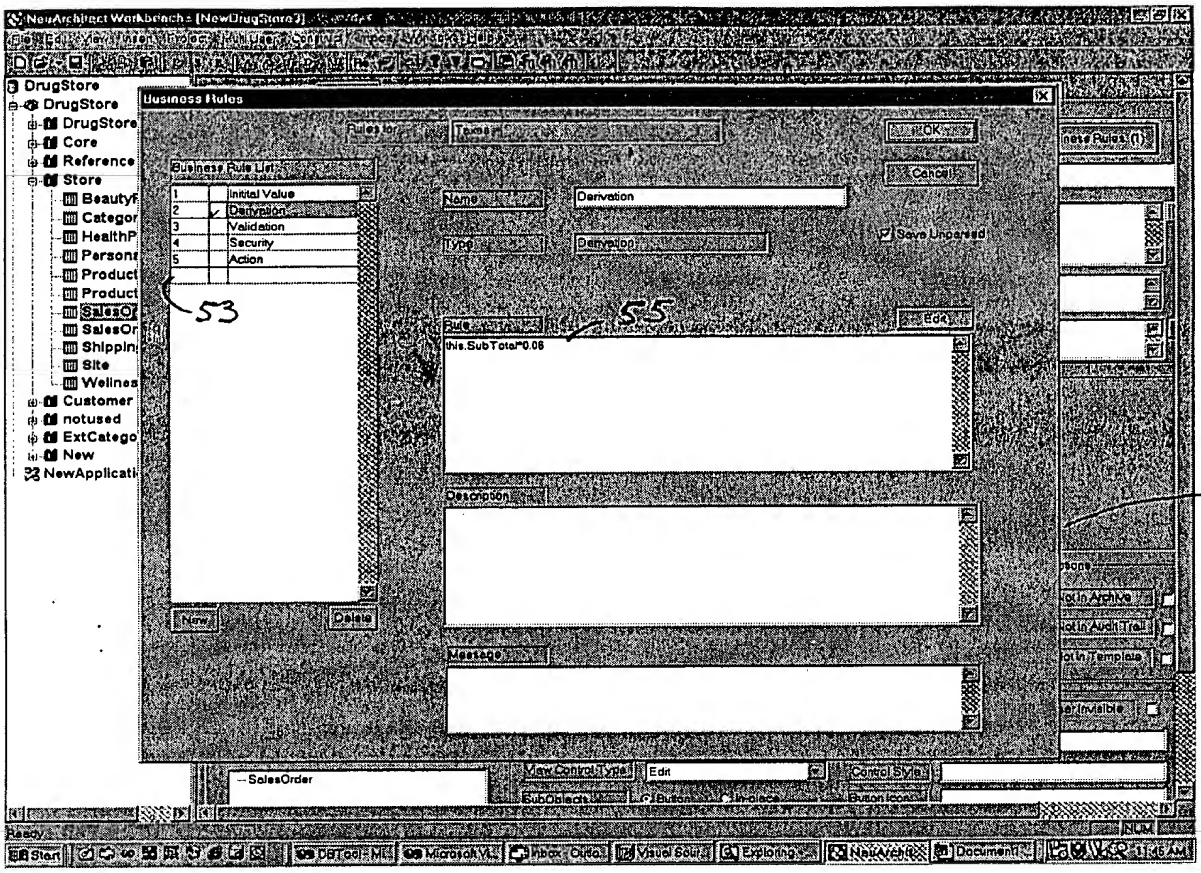

Business Rules
Business Rule List
1 Initial Value
2 Derivation
3 Validation
4 Security
5 Action
New
Delete
Name
Derivation
Type
Derivation
Save Unparsed
Rule
this.SubTotal*0.08
Description
Message
SalesOrder
View Control Type
Edit
Control Style
53
55
51

Fig. 5

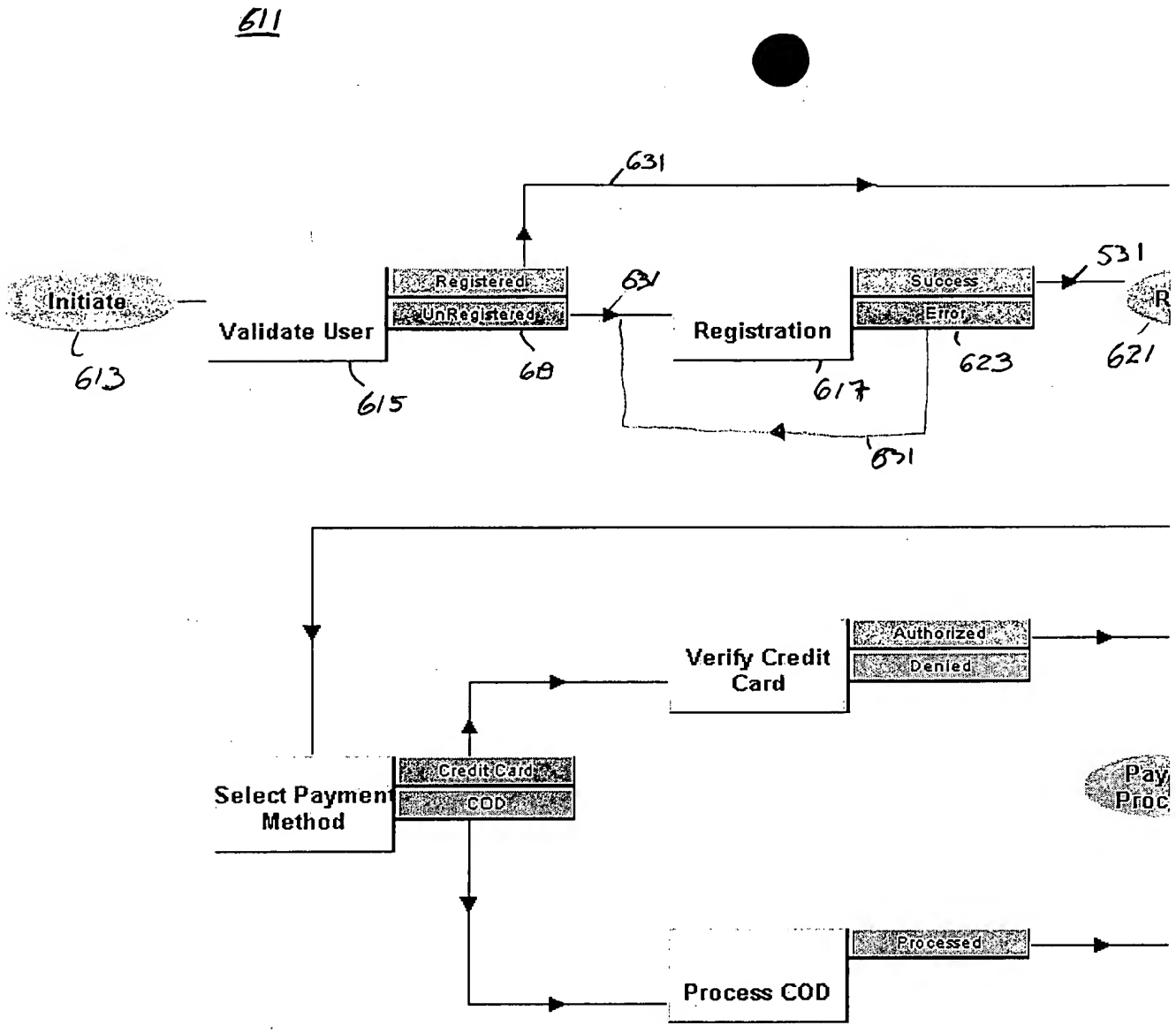

611
631
Initiate
Validate User
Registered
UnRegistered
631
Registration
Success
Error
531
613
615
617
623
621
631
Verify Credit Card
Authorized
Denied
Select Payment Method
Credit Card
COD
Process COD
Processed

Fig. 6A

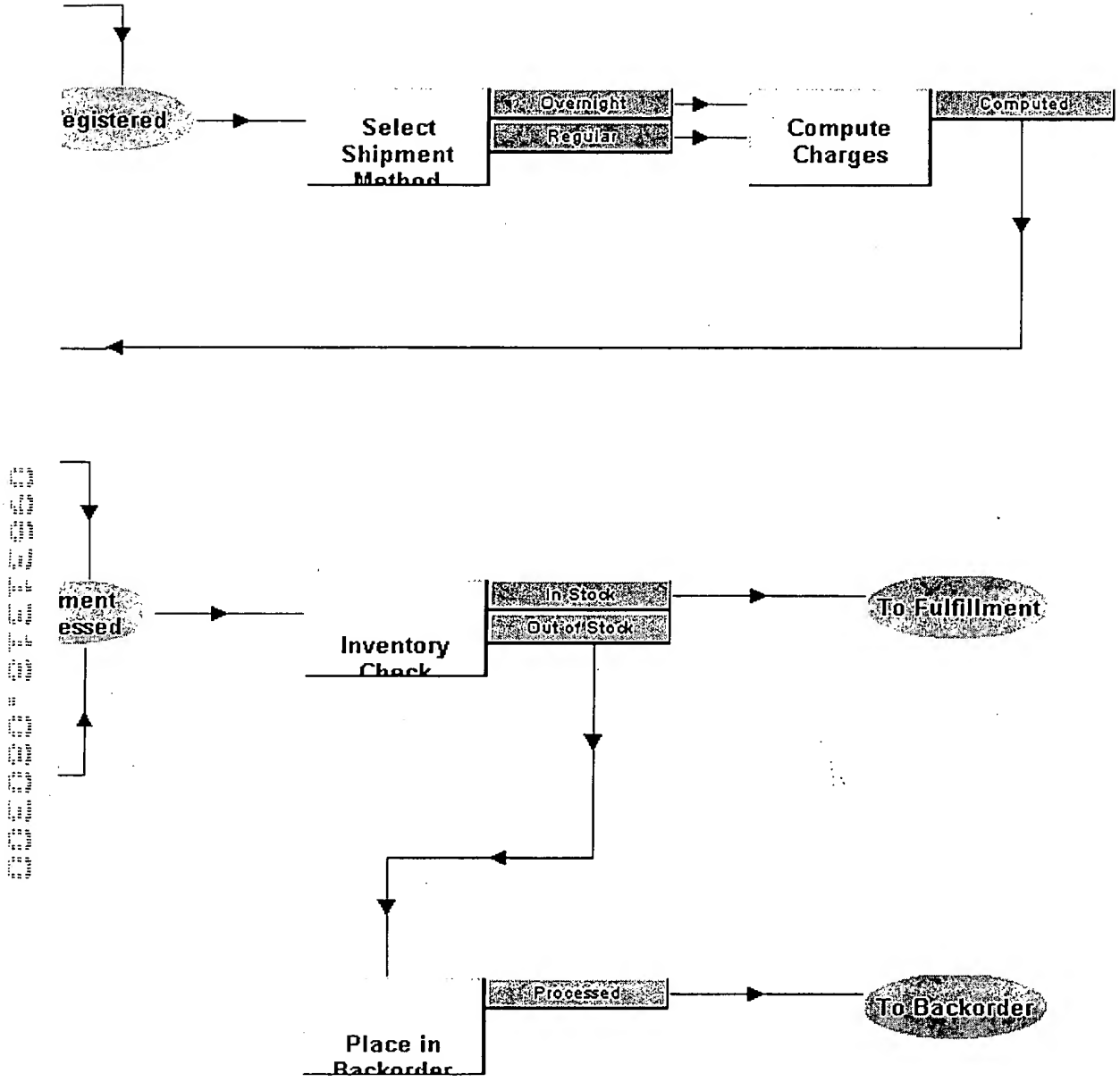

egistered
Select Shipment Method
Overnight
Regular
Compute Charges
Computed
ment essed
Inventory Check
In Stock
Out of Stock
To Fulfillment
Place in Backorder
Processed
To Backorder

Fig. 6B

Fig. 7A

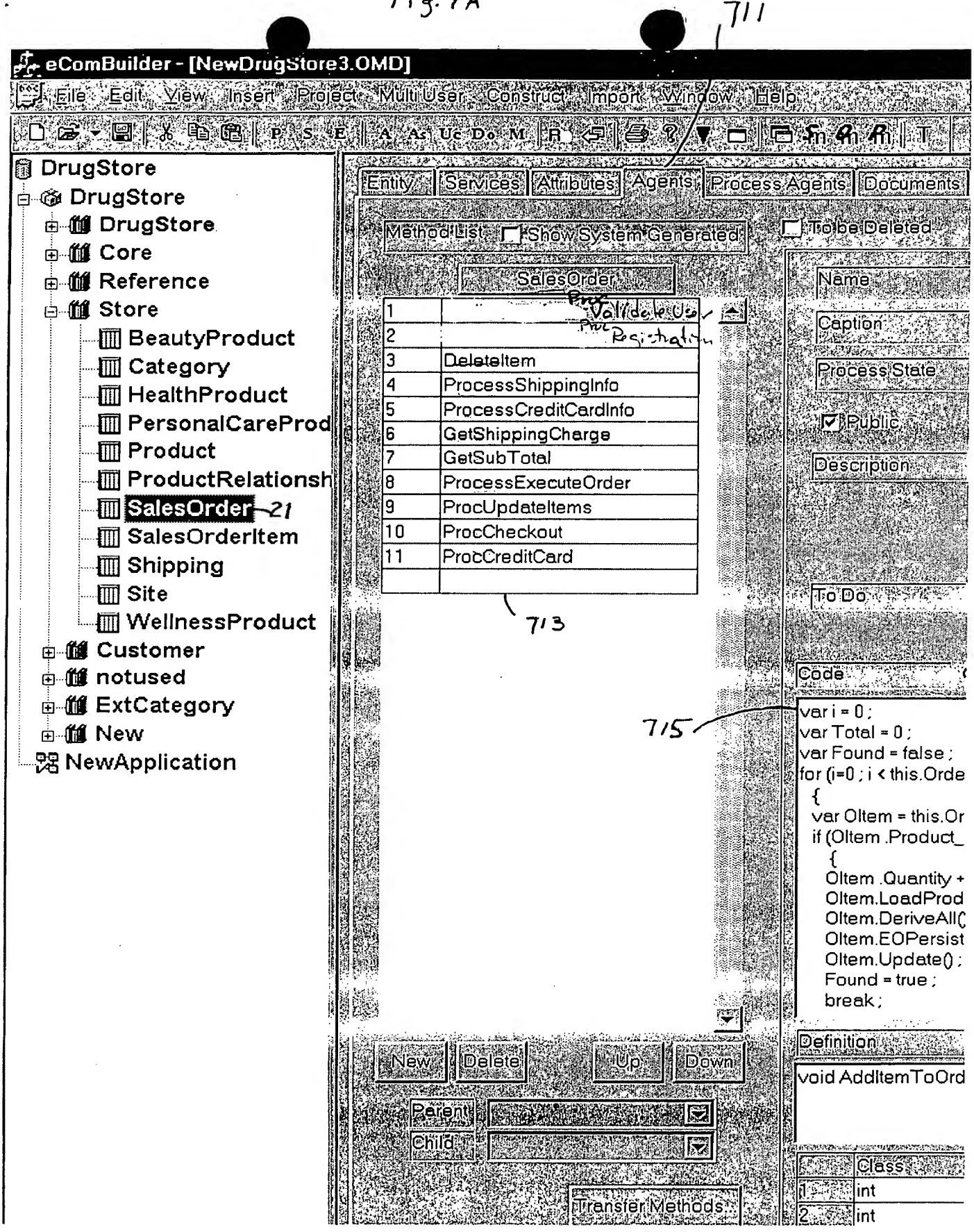

711
eComBuilder - [NewDrugStore3.OMD]
File Edit View Insert Project Multi User Construct Import Window Help
DrugStore
DrugStore
DrugStore
Core
Reference
Store
BeautyProduct
Category
HealthProduct
PersonalCareProd
Product
ProductRelationsh
SalesOrder
SalesOrderItem
Shipping
Site
WellnessProduct
Customer
notused
ExtCategory
New
NewApplication
21
Entity
Services
Attributes
Agents
Process Agents
Documents
Method List
Show System Generated
To be Deleted
SalesOrder
Name
Caption
Process State
Public
Description
To Do
Code
1
2
3 DeleteItem
4 ProcessShippingInfo
5 ProcessCreditCardInfo
6 GetShippingCharge
7 GetSubTotal
8 ProcessExecuteOrder
9 ProcUpdateItems
10 ProcCheckout
11 ProcCreditCard
713
715
var i = 0;
var Total = 0;
var Found = false;
for (i=0; i < this.Orde
{
var OItem = this.Or
if (OItem.Product_
{
OItem.Quantity +
OItem.LoadProd
OItem.DeriveAll(
OItem.EOPersist
OItem.Update();
Found = true;
break;
New
Delete
Up
Down
Definition
void AddItemToOrd
Parent
Child
Transfer Methods
Class
1 int
2 int

Fig 7B

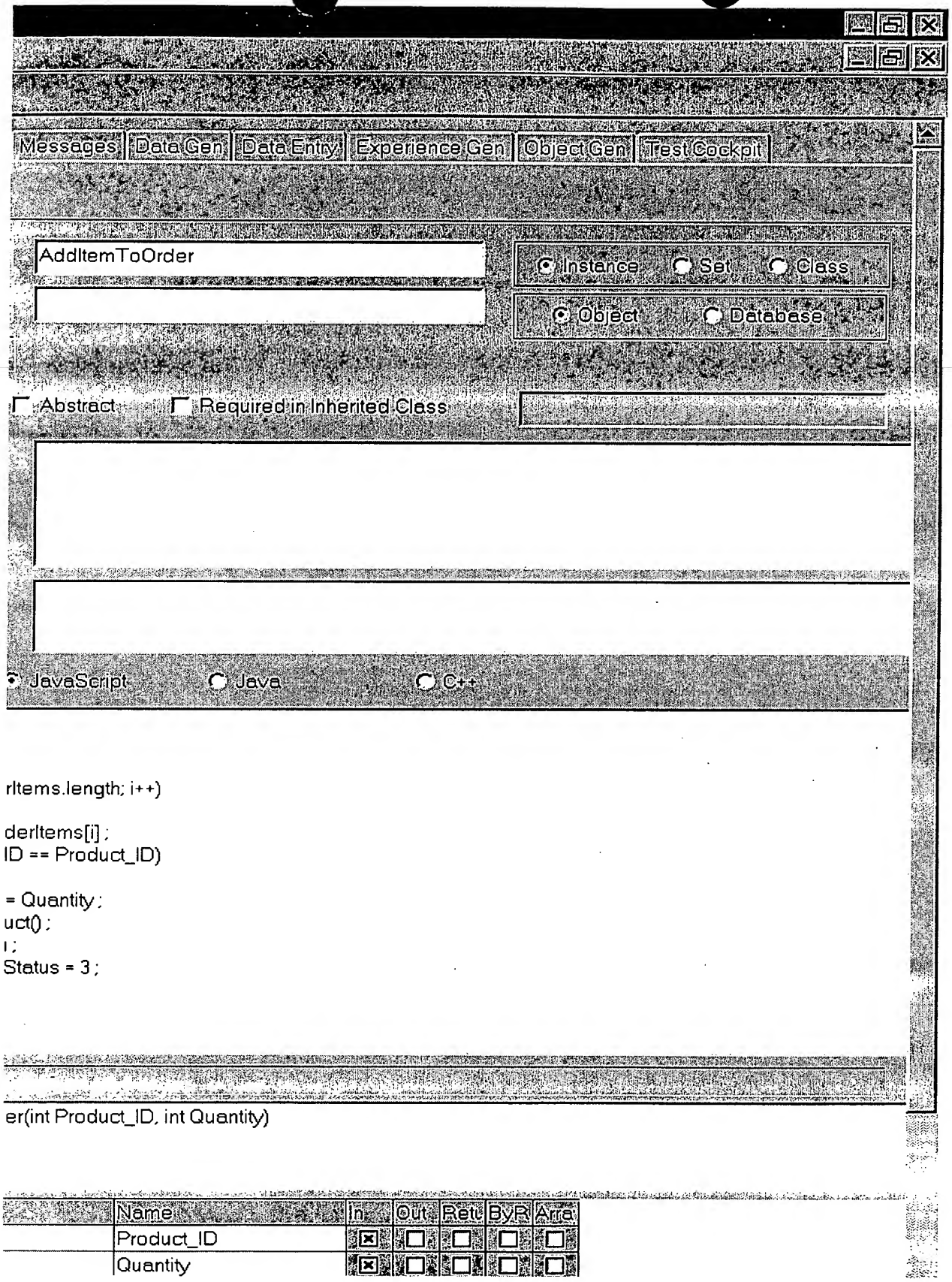

Messages
Data Gen
Data Entry
Experience Gen
Object Gen
Test Cockpit
AddItemToOrder
Instance
Set
Class
Object
Database
Abstract
Required in Inherited Class
JavaScript
Java
C++
rItems.length; i++)
derItems[i];
ID == Product_ID)
= Quantity;
uct();
I;
Status = 3;
er(int Product_ID, int Quantity)
Name
In
Out
Retu
ByR
Arra
Product_ID
Quantity

Fig 7C

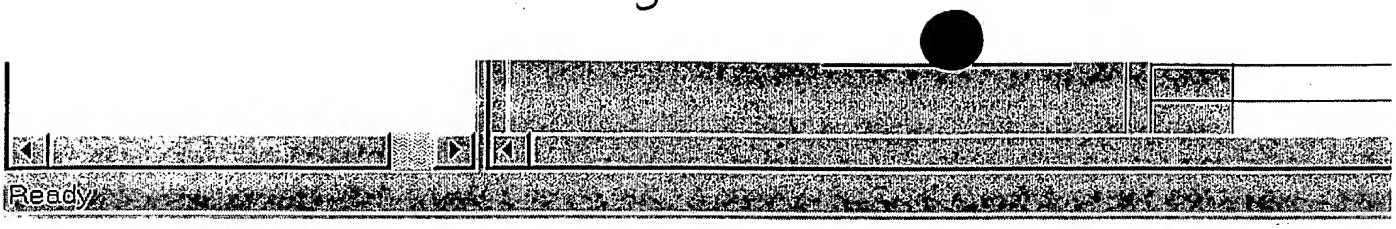
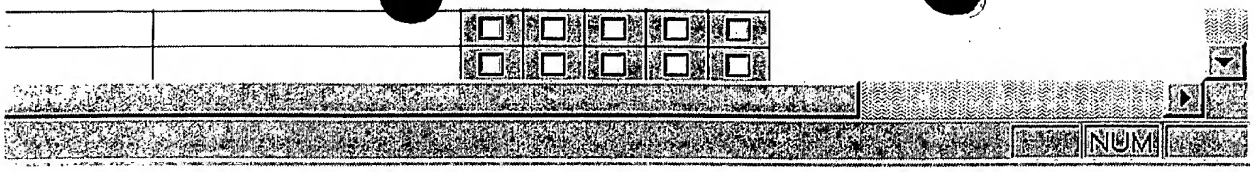


Fig 7 D



Flow Chart of Generation

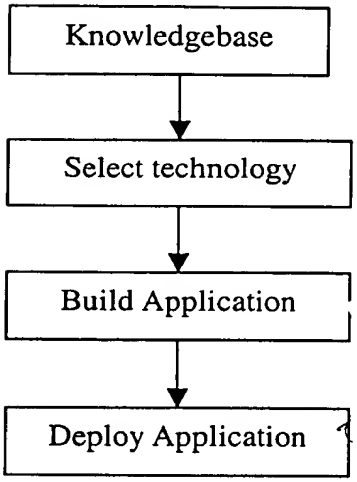


Fig 8

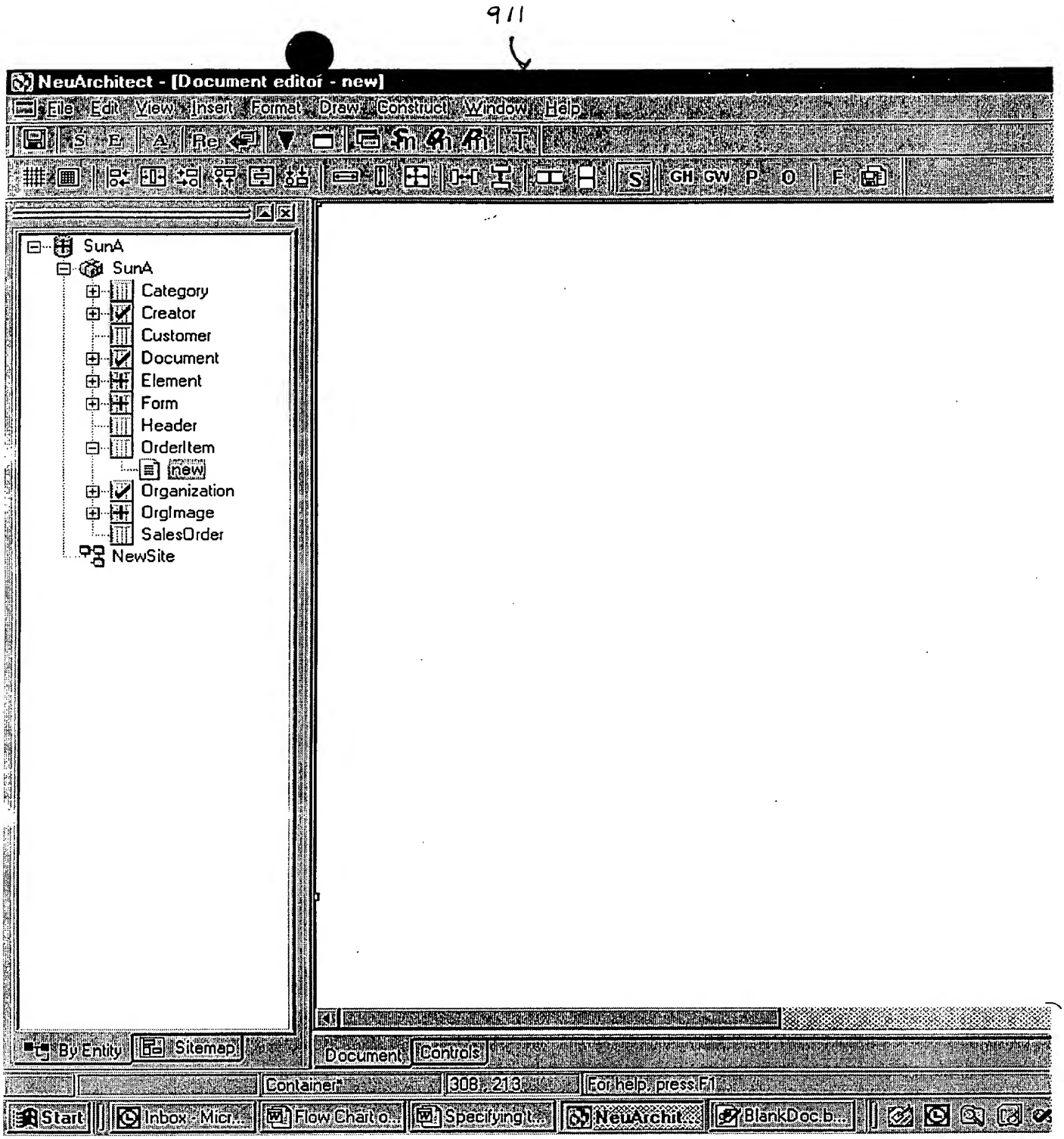

911
NeuArchitect - [Document editor - new]
File Edit View Insert Format Draw Construct Window Help
SunA
SunA
Category
Creator
Customer
Document
Element
Form
Header
OrderItem
new
Organization
OrgImage
SalesOrder
NewSite
By Entity
Sitemap
Document
Controls
915
Container
308, 213
For help, press F1
Start
Inbox - Micr...
Flow Chart o...
Specifying t...
NeuArchit...
BlankDoc.b...

Fig. 9A

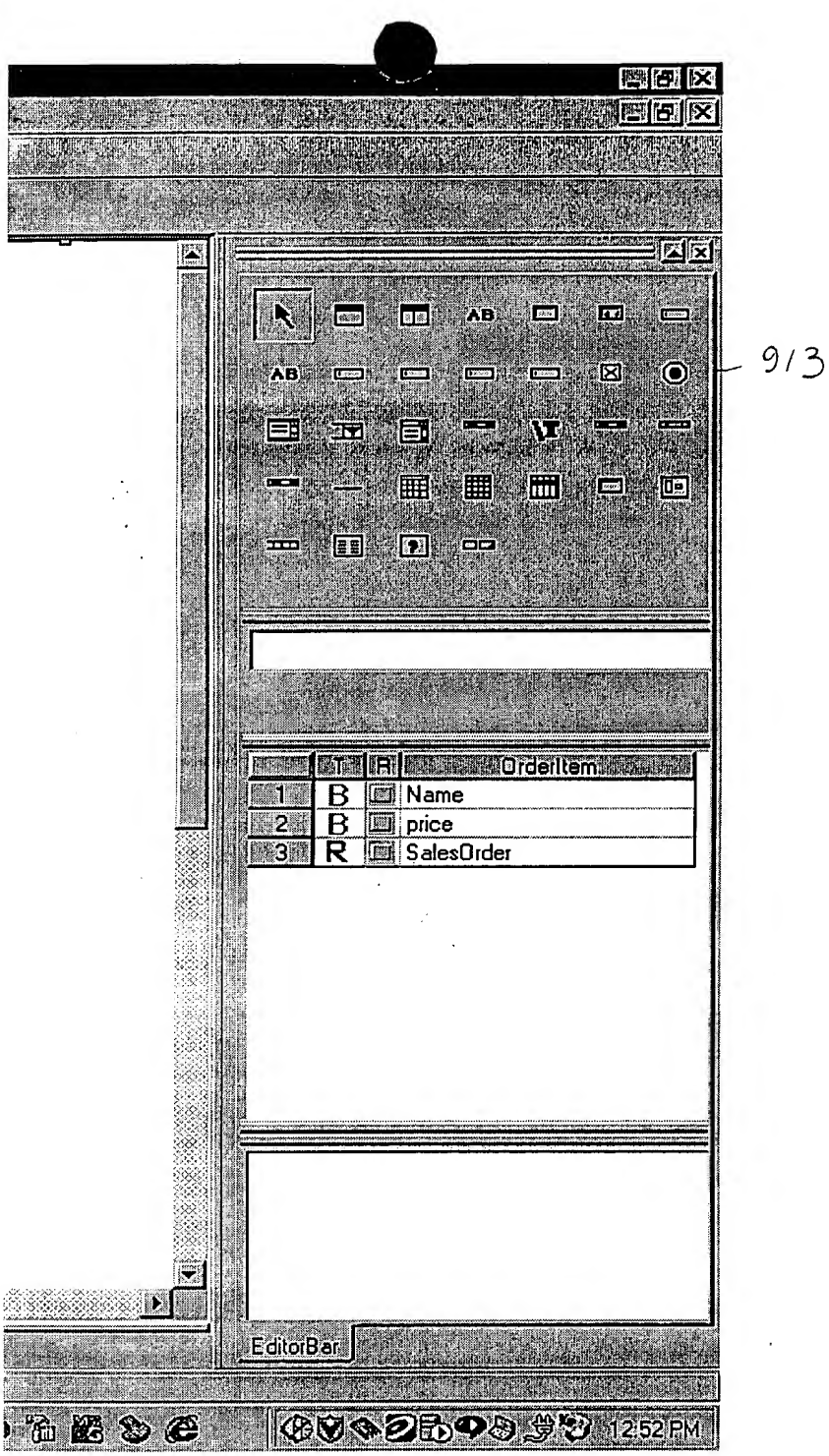

913
OrderItem
1 B Name
2 B price
3 R SalesOrder
EditorBar
12:52 PM

Fig. 9B

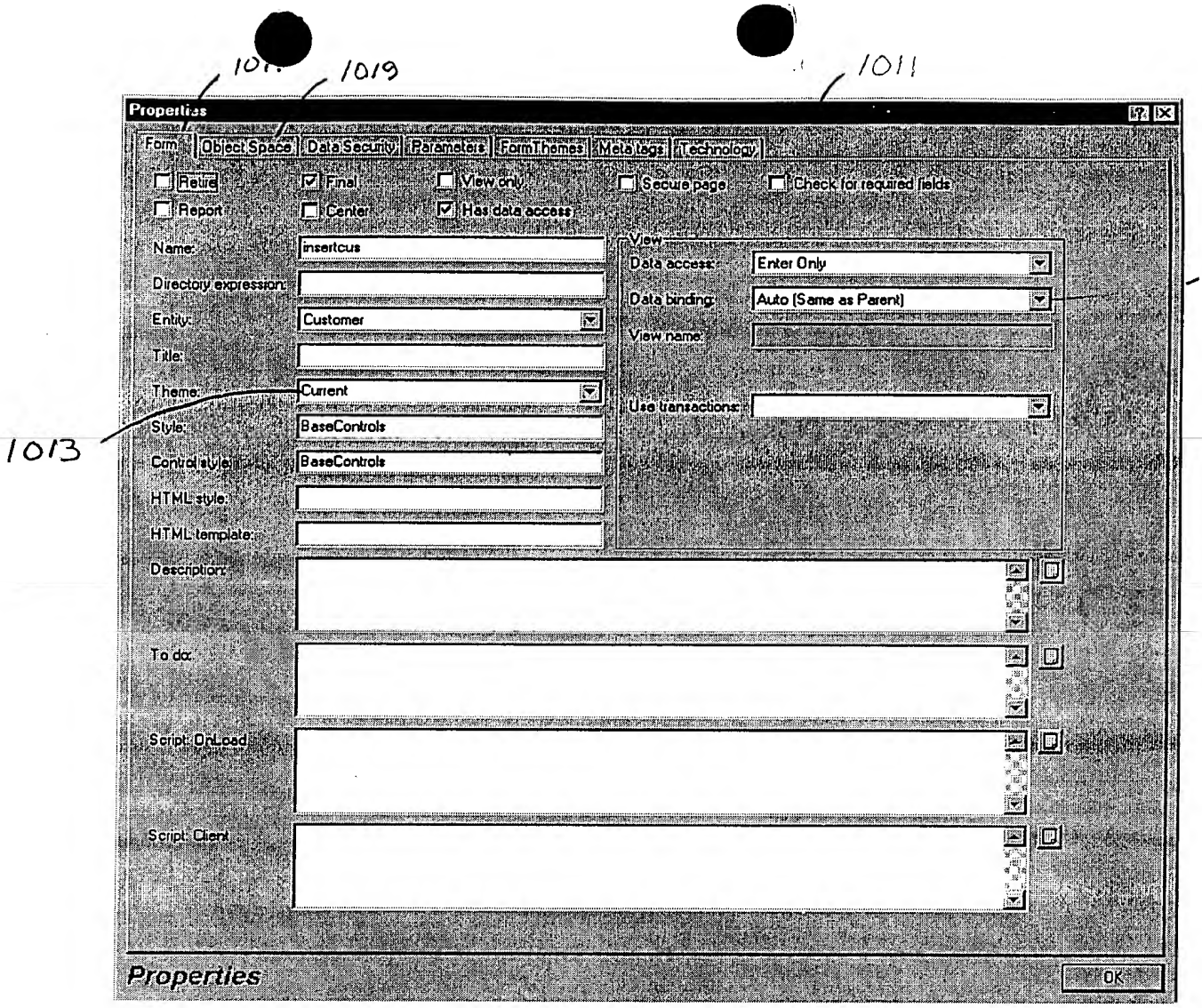

1017
1019
1011
Properties
Form
Object Space
Data Security
Parameters
FormThemes
Meta tags
Technology
Retire
Final
View only
Secure page
Check for required fields
Report
Center
Has data access
Name:
insertcus
Directory expression:
Entity:
Customer
Title:
Theme:
Current
Style:
BaseControls
Control style:
BaseControls
HTML style:
HTML template:
View
Data access:
Enter Only
Data binding:
Auto (Same as Parent)
View name:
Use transactions:
Description:
To do:
Script: OnLoad
Script: Client
Properties
OK
1013
10

Fig. 10

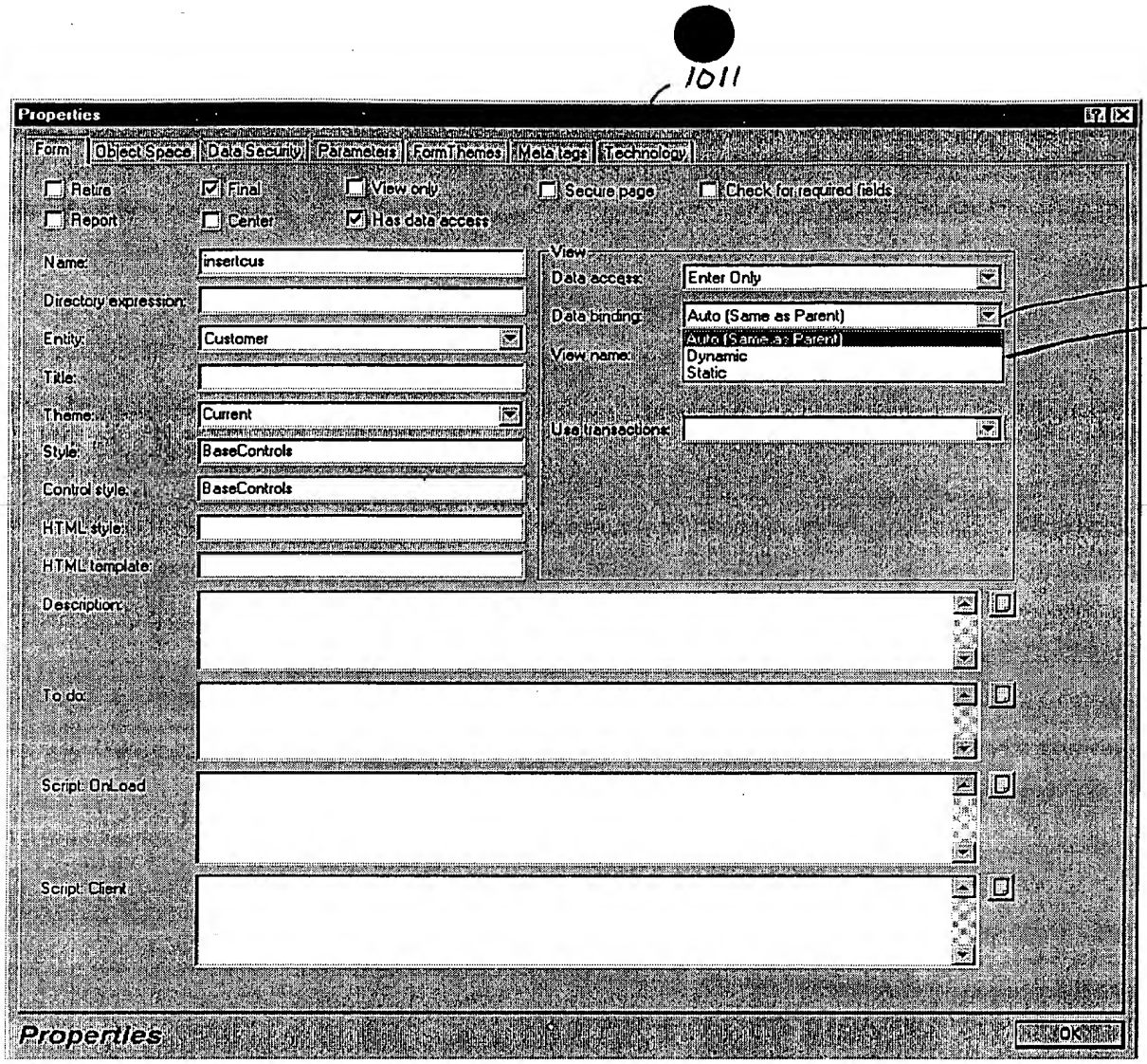

1011
Properties
Form
Object Space
Data Security
Parameters
Form Themes
Meta tags
Technology
Retire
Final
View only
Secure page
Check for required fields
Report
Center
Has data access
Name:
insertcus
Directory expression:
Entity:
Customer
Title:
Theme:
Current
Style:
BaseControls
Control style:
BaseControls
HTML style:
HTML template:
Description:
To do:
Script: OnLoad
Script: Client
View
Data access:
Enter Only
Data binding:
Auto (Same as Parent)
View name:
Auto (Same as Parent)
Dynamic
Static
Use transactions:
1015
101
Properties
OK

Fig. 10a

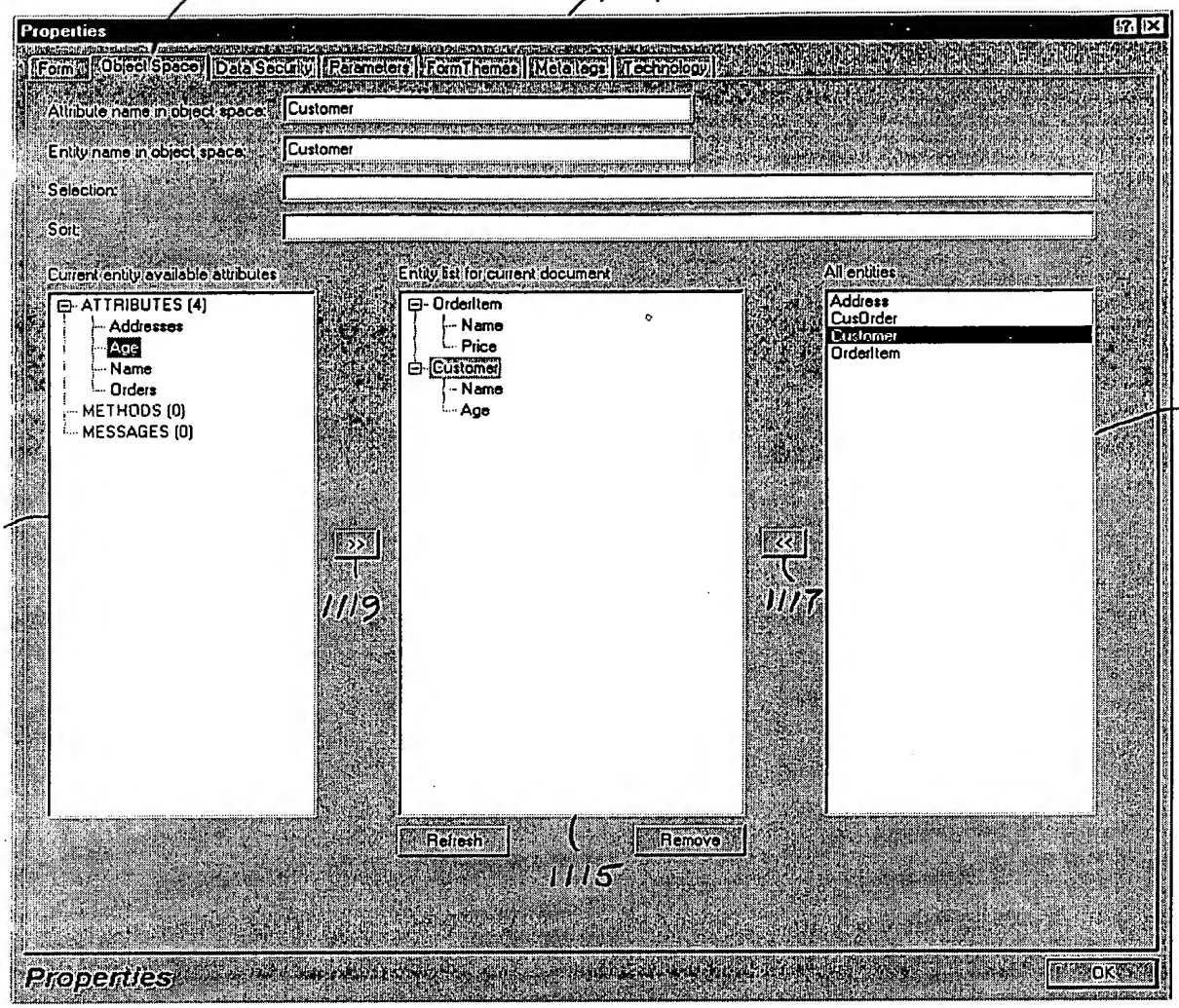
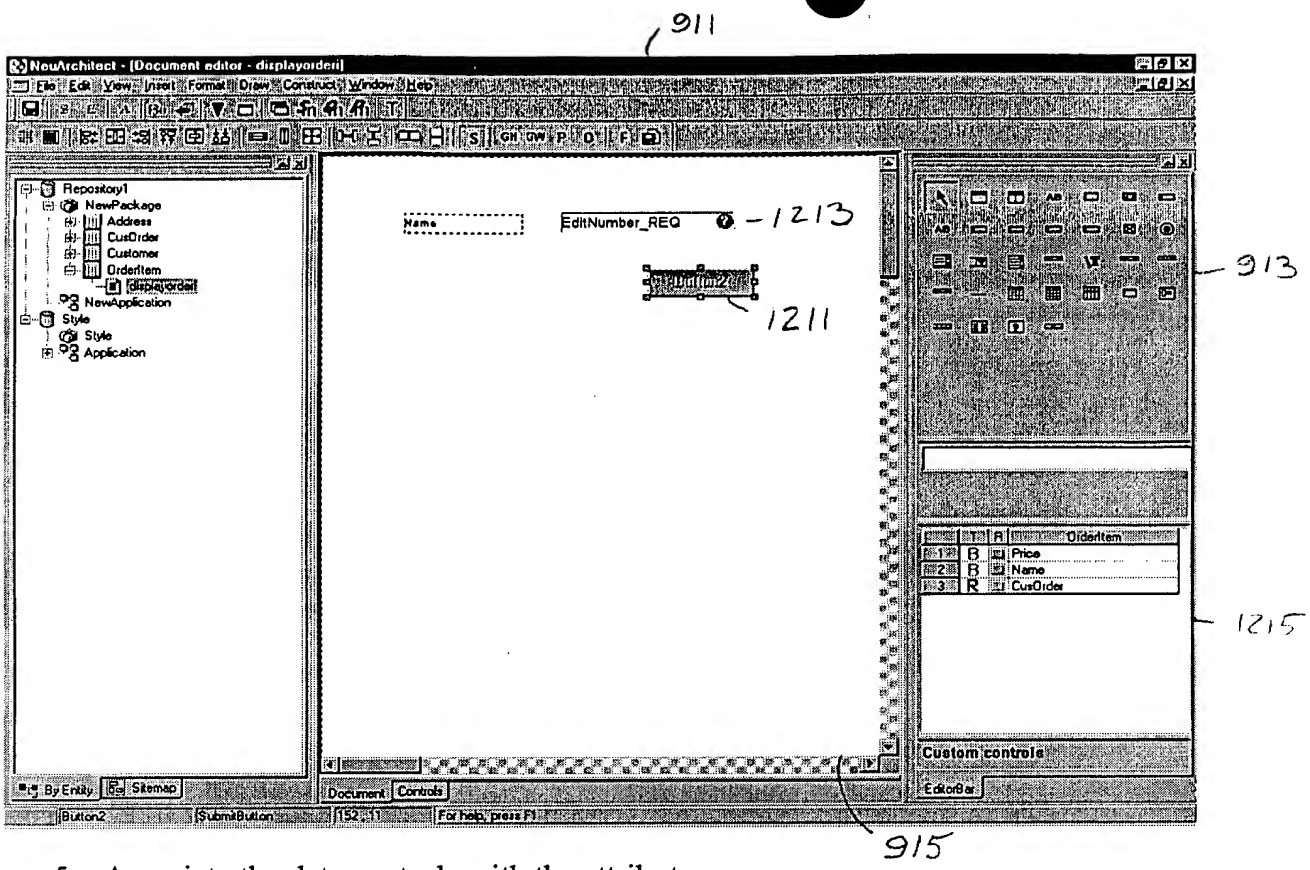

1011
Properties
Form
Object Space
Data Security
Parameters
FormThemes
MetaTags
Technology
Attribute name in object space:
Customer
Entity name in object space:
Customer
Selection:
Sort:
Current entity available attributes
ATTRIBUTES (4)
Addresses
Age
Name
Orders
METHODS (0)
MESSAGES (0)
Entity list for current document
OrderItem
Name
Price
Customer
Name
Age
All entities
Address
CusOrder
Customer
OrderItem
1113
1121
>>
1119
<<
1117
Refresh
Remove
1115
Properties
OK

Fig. 11



5. Associate the data controls with the attributes.

Fig. 12

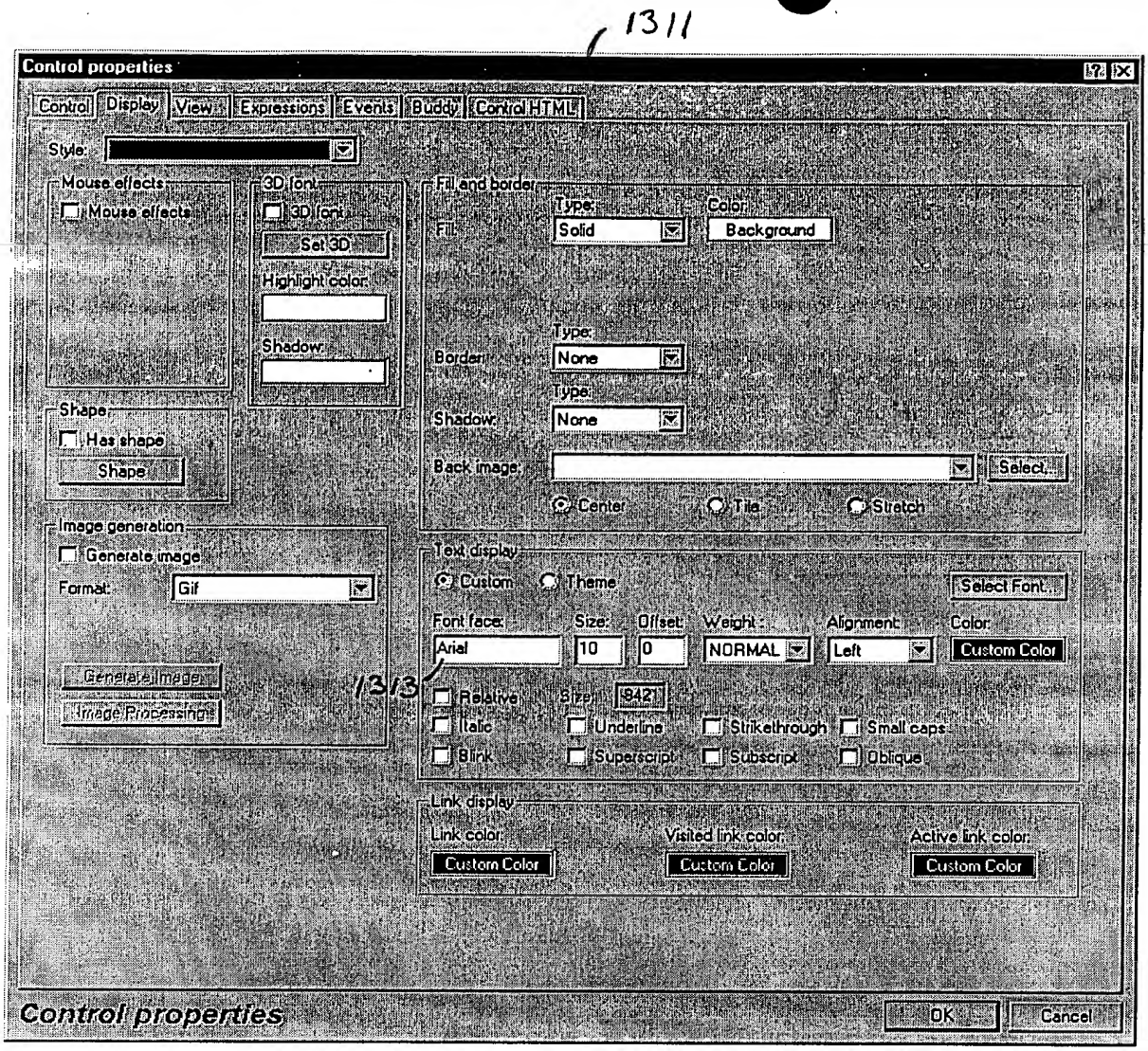

1311
Control properties
Control
Display
View
Expressions
Events
Buddy
Control HTML
Style:
Mouse effects
Mouse effects
3D font
3D font
Set 3D
Highlight color:
Shadow:
Shape
Has shape
Shape
Image generation
Generate image
Format:
Gif
Generate image
Image Processing
1313
Fill and border
Type:
Color:
Fill:
Solid
Background
Type:
Border:
None
Type:
Shadow:
None
Back image:
Select...
Center
Tile
Stretch
Text display
Custom
Theme
Select Font...
Font face:
Size:
Offset:
Weight:
Alignment:
Color:
Arial
10
0
NORMAL
Left
Custom Color
Relative
Size:
9421
Italic
Underline
Strikethrough
Small caps
Blink
Superscript
Subscript
Oblique
Link display
Link color:
Visited link color:
Active link color:
Custom Color
Custom Color
Custom Color
Control properties
OK
Cancel

Fig. 13

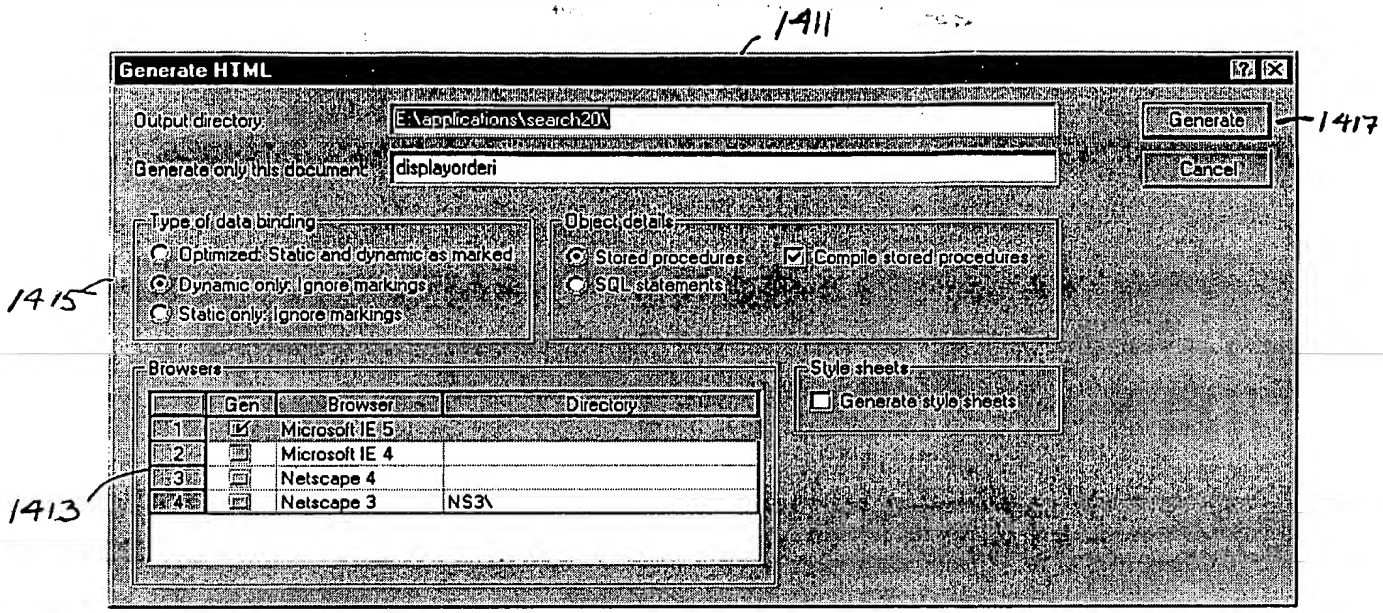

1411
Generate HTML
Output directory:
E:\applications\search20\
Generate only this document:
displayorderi
Generate
Cancel
1417
Type of data binding
Optimized: Static and dynamic as marked
Dynamic only; Ignore markings
Static only; Ignore markings
1415
Object details
Stored procedures
Compile stored procedures
SQL statements
Browsers
Gen
Browser
Directory
1 Microsoft IE 5
2 Microsoft IE 4
3 Netscape 4
4 Netscape 3 NS3\
1413
Style sheets
Generate style sheets

Fig. 14